

Head 47 — GOVERNMENT SECRETARIAT: OFFICE OF THE GOVERNMENT CHIEF INFORMATION OFFICER

Controlling officer: the Government Chief Information Officer will account for expenditure under this Head.

Estimate 2022–23 **\$1,716.3m**

Establishment ceiling 2022–23 (notional annual mid-point salary value) representing an estimated 710 non-directorate posts as at 31 March 2022 reducing by one post to 709 posts as at 31 March 2023 **\$497.0m**

In addition, there will be an estimated 15 directorate posts as at 31 March 2022 and as at 31 March 2023.

Commitment balance..... **\$586.2m**

Controlling Officer's Report

Programmes

**Programme (1) Use of Information
Technology (IT) in
Government**

**Programme (2) IT Infrastructure and
Standards**

Programme (3) IT in the Community

These programmes contribute to Policy Area 17: Information Technology and Broadcasting (Secretary for Innovation and Technology).

Detail

Programme (1): Use of IT in Government

	2020–21 (Actual)	2021–22 (Original)	2021–22 (Revised)	2022–23 (Estimate)
Financial provision (\$m)	648.1	820.2	793.9 (–3.2%)	1,037.8 (+30.7%)
				(or +26.5% on 2021–22 Original)

Aim

2 The aim of this programme is to provide government bureaux and departments with the information and services they need in an efficient, convenient, secure and environmentally-friendly manner by suitable adoption of information and communications technology (ICT), and to support bureaux and departments to make the best use of ICT to achieve their policy objectives. Government policy initiatives, internal efficiency, transparency and public engagement should also be enabled by innovative use of ICT.

Brief Description

3 The Office of the Government Chief Information Officer (OGCIO) delivers and enhances the Government's online one-stop service portal, and manages relationships with portal users. It provides a range of IT professional services and facilitation measures to bureaux and departments, sets policies on IT standards, and develops and operates shared infrastructure and central services that take into account industry and technology developments. It establishes policies and practices on governance and cybersecurity, invests in IT, supports the IT initiatives of bureaux and departments, and enables them to assure the quality of their IT strategies, projects and operations. It also develops and motivates members of the government IT profession.

4 In 2021–22, OGCIO:

- collaborated with other bureaux and departments, particularly the Food and Health Bureau and the Department of Health, to support and facilitate various anti-epidemic related initiatives with technology, including the compulsory quarantine arrangements, the “LeaveHomeSafe” exposure notification system, various booking systems for community testing programmes and vaccination programmes, health code system for cross boundary travel with Guangdong Province and Macao, and dissemination of Consumption Vouchers;
- continued to facilitate bureaux and departments in implementing and hosting big data analytics applications on the common big data analytics infrastructure;
- launched a traffic data analytics system in collaboration with the Transport Department to enhance traffic management and transport efficiency;
- continued to promote wider use of electronic submission of government forms;

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- commenced implementation of a shared blockchain platform to facilitate implementation of e-government services using blockchain technology;
 - continued to assist government departments in sourcing innovative IT solutions including robotics technologies and 5G technology applications to meet their business needs through the Smart Government Innovation Lab;
 - continued to monitor the construction of the government data centre complex and prepared for its commissioning;
 - promoted the newly updated Government's information security policies and guidelines and monitored their compliance within the Government;
 - completed the rollout of a new centrally managed messaging platform for bureaux and departments located in Central Government Offices; and
 - commenced implementation of an electronic recordkeeping system for all bureaux and departments in collaboration with the Government Records Service and the Efficiency Office.
- 5 The key performance measures in respect of use of IT in the Government are:

Target

	Target	2020 (Actual)	2021 (Actual)	2022 (Plan)
services rendered meeting requirements set out in service level documents agreed with users (%).....	100	100	100	100

Indicators

	2020 (Actual)	2021 (Actual)	2022 (Estimate)
no. of bureaux and departments with IT plans in place	67	67	67
results of post-implementation departmental returns on completed IT projects			
completed on schedule (%).....	75.8	74.2	75.0
completed within budget (%).....	100	100	100
meeting agreed specifications (%)	99.1	99.2	100
achieving intended benefits (%).....	99.6	99.6	99.0
	2020–21 (Actual)	2021–22 (Revised Estimate)	2022–23 (Estimate)
total value of work undertaken in the year (\$m)	2,479.0	2,442.1	3,167.7
total value of work outsourced in the year (\$m)	2,294.1	2,281.5	2,850.9

Matters Requiring Special Attention in 2022–23

- 6 During 2022–23, OGCI will:
- continue to collaborate with other bureaux and departments to support the prevailing anti-epidemic measures as well as the implementation of new measures to facilitate the gradual resumption of economic and social activities and cross boundary travel;
 - continue to provide technical advice and support to bureaux and departments in implementing big data analytics and blockchain applications;
 - continue to promote bureaux and departments to implement electronic submission of their government forms;
 - complete the implementation and commence the rollout of the shared blockchain platform;
 - implement a consented data exchange gateway to support exchange of personal data, so as to facilitate the implementation of digital government services and the interface with the Commercial Data Interchange of the Hong Kong Monetary Authority;
 - continue to promote and assist government departments in sourcing innovative IT solutions including robotics technologies, 5G technology and Internet of Things applications to meet their business needs and enhance public services through the Smart Government Innovation Lab;
 - monitor the construction of the government data centre complex with a view to commencing its operations;
 - continue to promote information security awareness in the Government and monitor the compliance of bureaux and departments with the Government's information security requirements;

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- complete the implementation and commence the rollout of an electronic recordkeeping system to all bureaux and departments in collaboration with the Government Records Service and the Efficiency Office;
- collaborate with the governments of Guangdong Province and Macao Special Administrative Region to extend the mutual recognition of electronic signature certificates to the Guangdong-Hong Kong-Macao Greater Bay Area (GBA), and promote the wider adoption of e-services using mutual recognition electronic signature certificates in the GBA;
- collaborate with the government of Guangdong Province to promote smart city development in the GBA through effective sharing of open data such as cross boundary related transportation data; and
- commence an e-government audit for the IT systems and services of bureaux and departments to identify areas of improvements.

Programme (2): IT Infrastructure and Standards

	2020–21 (Actual)	2021–22 (Original)	2021–22 (Revised)	2022–23 (Estimate)
Financial provision (\$m)	157.2	404.2	310.9 (–23.1%)	582.5 (+87.4%)
				(or +44.1% on 2021–22 Original)

Aim

7 The aim of this programme is to provide Hong Kong with the IT infrastructure, standards, legal framework and talent needed to facilitate a vibrant digital economy and to enable core industries to improve their competitive position.

Brief Description

8 OGCIO supports the development of community-wide IT infrastructure and facilitates the development of IT human capital to strengthen Hong Kong's position as a smart city. It seeks to develop a digital infrastructure through which the community can interact readily and securely, and to promote the use of electronic means for economic, social and government activities. It also seeks to introduce common standards which apply to both the public and private sectors.

9 In 2021–22, OGCIO:

- continued the operation and promotion of the “iAM Smart” Platform;
- continued the implementation of the IT Innovation Lab in Secondary Schools Programme and the Enriched IT Programme in Schools;
- launched the Knowing More About IT Programme to enhance primary school students' interest, knowledge and application of IT;
- continued the implementation of the Multi-functional Smart Lampposts pilot scheme;
- supported the co-ordination and monitoring of smart city initiatives under the *Smart City Blueprint for Hong Kong 2.0*; and
- conducted the review of the Electronic Transactions Ordinance (Cap. 553) and amended its subsidiary legislation that facilitated the adoption of electronic means in more government services.

Matters Requiring Special Attention in 2022–23

10 During 2022–23, OGCIO will continue to:

- operate the “iAM Smart” Platform and promote the wider adoption of “iAM Smart” by public and private organisations;
- implement the Knowing More About IT Programme, the IT Innovation Lab in Secondary Schools Programme and the Enriched IT Programme in Schools;
- implement the Multi-functional Smart Lampposts pilot scheme;
- support the co-ordination and monitoring of smart city initiatives under the *Smart City Blueprint for Hong Kong 2.0*; and
- promote public awareness of cyber security including facilitating information sharing of cyber threats.

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Programme (3): IT in the Community

	2020–21 (Actual)	2021–22 (Original)	2021–22 (Revised)	2022–23 (Estimate)
Financial provision (\$m)	89.1	89.4	92.6 (+3.6%)	96.0 (+3.7%)
				(or +7.4% on 2021–22 Original)

Aim

11 The aim of this programme is to strengthen the role of Hong Kong's business establishments in the local, Mainland and global markets for ICT and digital content services. The programme also aims to enable residents, businesses and voluntary organisations to utilise and share information and knowledge in promoting sustainable development and improving the quality of life.

Brief Description

12 OGCIO promotes and facilitates the wider use of IT in the business sector and the community, and contributes to building a digitally inclusive society in Hong Kong. It collaborates with industry support organisations and trade associations to support the IT industry, including exploration of business opportunities locally, in the Mainland and overseas.

13 In 2021–22, OGCIO:

- continued to work with bureaux and departments and related organisations to open up more data in machine-readable format for free use by the public and published the fourth annual open data plans;
- continued to provide one-stop support service to facilitate the setting up of data centres in Hong Kong and concessionary measures to encourage the use of existing industrial buildings and industrial lots for data centres;
- continued to implement the Outreach and Training Programmes to enrich the ICT knowledge and skills among the elderly and update the contents of the web-based learning portal;
- continued to promote web/mobile app accessibility in public and private organisations, and monitored the compliance of government websites and mobile apps;
- organised the Hong Kong ICT Awards 2021 to enhance Hong Kong's profile as a leading ICT hub in the region;
- organised and supported local ICT delegations to take part in China International Software Expo 2021 and other engagement activities to explore business opportunities in the Mainland; and
- supported the “Maker in China” SME Innovation and Entrepreneurship Global Contest 2021 - Hong Kong Chapter to connect local small and medium-sized technology enterprises with investors and business networks in the Mainland.

Matters Requiring Special Attention in 2022–23

14 During 2022–23, OGCIO will:

- continue to work with bureaux and departments and related organisations to open up more data in machine-readable format for free use by the public and update their open data plans;
- continue to provide one-stop support service to facilitate data centre development in Hong Kong;
- continue to enrich the ICT knowledge and skills among the elderly through the Outreach and Training Programmes as well as the web-based learning portal;
- continue to promote web/mobile app accessibility in public and private organisations, and conduct the compliance audit on accessibility of government websites and mobile apps;
- organise the Hong Kong ICT Awards 2022 and Internet Economy Summit 2022;
- continue to organise and support local ICT delegations to take part in China International Software Expo and other engagement activities; and
- continue to support the “Maker in China” SME Innovation and Entrepreneurship Global Contest - Hong Kong Chapter.

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ANALYSIS OF FINANCIAL PROVISION

Programme	2020–21 (Actual) (\$m)	2021–22 (Original) (\$m)	2021–22 (Revised) (\$m)	2022–23 (Estimate) (\$m)
(1) Use of Information Technology (IT) in Government	648.1	820.2	793.9	1,037.8
(2) IT Infrastructure and Standards	157.2	404.2	310.9	582.5
(3) IT in the Community	89.1	89.4	92.6	96.0
	894.4	1,313.8	1,197.4 (–8.9%)	1,716.3 (+43.3%)
				(or +30.6% on 2021–22 Original)

Analysis of Financial and Staffing Provision

Programme (1)

Provision for 2022–23 is \$243.9 million (30.7%) higher than the revised estimate for 2021–22. This is mainly due to the increased provision for personal emoluments and departmental expenses, partly offset by the decreased requirement for capital expenditure. There will be a net decrease of one post in 2022–23.

Programme (2)

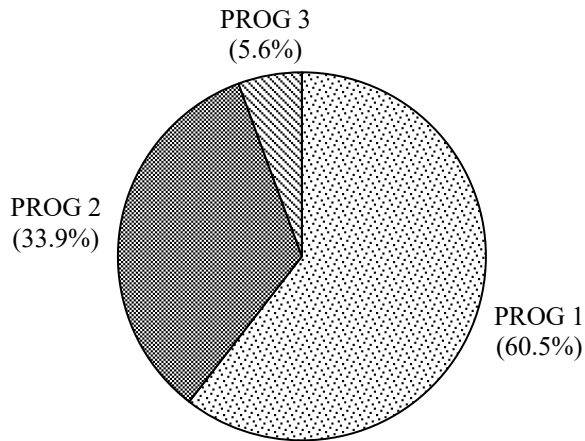
Provision for 2022–23 is \$271.6 million (87.4%) higher than the revised estimate for 2021–22. This is mainly due to the increased provision for the Enriched IT Programme in Schools and departmental expenses.

Programme (3)

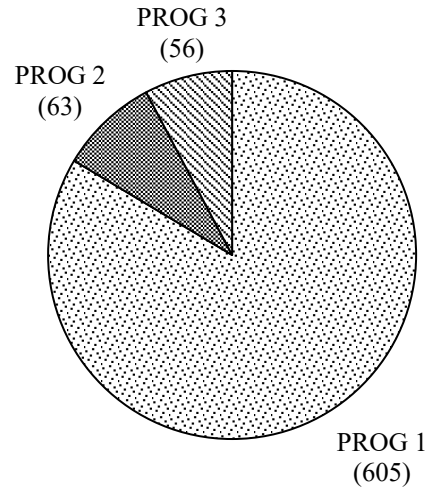
Provision for 2022–23 is \$3.4 million (3.7%) higher than the revised estimate for 2021–22. This is mainly due to the increased provision for providing public Wi-Fi services in study rooms and youth service centres and departmental expenses.

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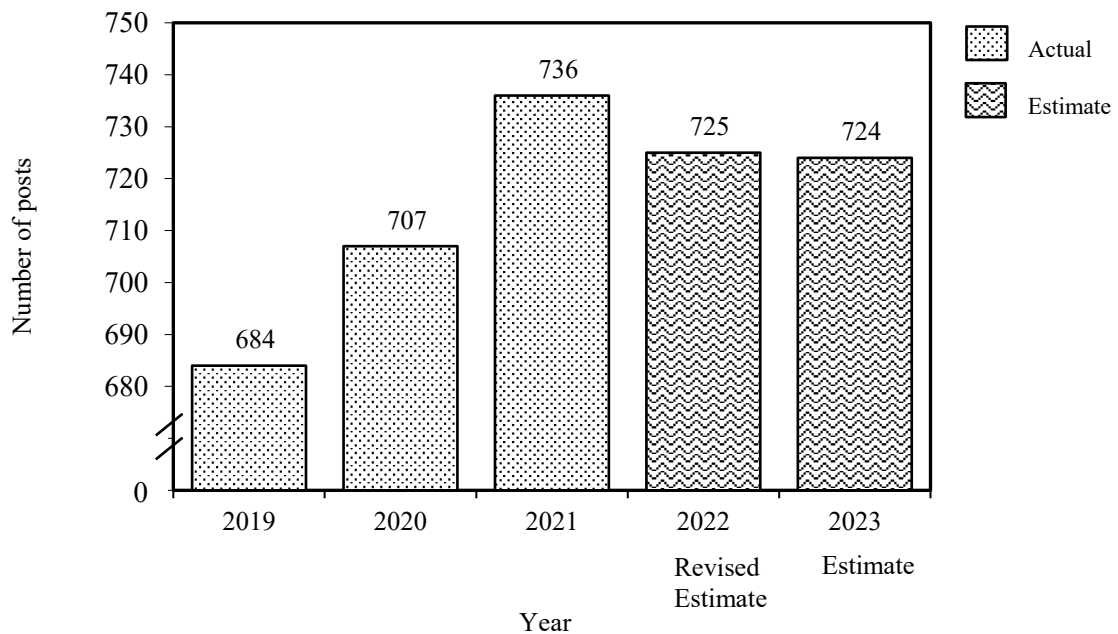
*Allocation of provision
to programmes
(2022-23)*



*Staff by programme
(as at 31 March 2023)*



*Changes in the size of the establishment
(as at 31 March)*



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Sub-head (Code)		Actual expenditure 2020–21	Approved estimate 2021–22	Revised estimate 2021–22	Estimate 2022–23
		\$'000	\$'000	\$'000	\$'000
Operating Account					
Recurrent					
000	Operational expenses	854,701	1,072,118	1,044,181	1,305,321
	Total, Recurrent.....	854,701	1,072,118	1,044,181	1,305,321
Non-Recurrent					
700	General non-recurrent	33,098	237,772	149,349	410,946
	Total, Non-Recurrent.....	33,098	237,772	149,349	410,946
	Total, Operating Account	887,799	1,309,890	1,193,530	1,716,267
Capital Account					
Plant, Equipment and Works					
	Minor plant, vehicles and equipment (block vote).....	6,609	3,875	3,875	—
	Total, Plant, Equipment and Works.....	6,609	3,875	3,875	—
	Total, Capital Account.....	6,609	3,875	3,875	—
	Total Expenditure	894,408	1,313,765	1,197,405	1,716,267

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Details of Expenditure by Subhead

The estimate of the amount required in 2022–23 for the salaries and expenses of the Office of the Government Chief Information Officer (OGCIO) is \$1,716,267,000. This represents an increase of \$518,862,000 over the revised estimate for 2021–22 and \$821,859,000 over the actual expenditure in 2020–21.

Operating Account

Recurrent

2 Provision of \$1,305,321,000 under *Subhead 000 Operational expenses* is for the salaries, allowances and other operating expenses of OGCIO. The increase of \$261,140,000 (25.0%) over the revised estimate for 2021–22 is mainly due to the increased provision for the operation of government data centre complex, implementation of anti-epidemic related initiatives, and departmental expenses.

3 The establishment as at 31 March 2022 will be 725 posts. It is expected that there will be a net decrease of one post in 2022–23. Subject to certain conditions, the controlling officer may under delegated power create or delete non-directorate posts during 2022–23, but the notional annual mid-point salary value of all such posts must not exceed \$497,001,000.

4 An analysis of the financial provision under *Subhead 000 Operational expenses* is as follows:

	2020–21 (Actual) (\$'000)	2021–22 (Original) (\$'000)	2021–22 (Revised) (\$'000)	2022–23 (Estimate) (\$'000)
Personal Emoluments				
- Salaries	476,693	489,690	483,572	488,710
- Allowances	12,360	9,900	11,400	11,400
- Job-related allowances.....	118	100	100	100
Personnel Related Expenses				
- Mandatory Provident Fund contribution	1,511	1,223	1,284	1,107
- Civil Service Provident Fund contribution	16,780	19,921	19,825	24,006
Departmental Expenses				
- Hire of services and professional fees	214,268	344,884	353,305	472,278
- Information and communications technology rentals and maintenance	46,183	85,200	58,995	68,800
- General departmental expenses	28,888	47,000	45,000	137,820
Other Charges				
- Hosting platform for e-government services	57,900	74,200	70,700	101,100
	854,701	1,072,118	1,044,181	1,305,321

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Commitments

Sub-head (Code)	Item (Code)	Ambit	Approved commitment	Accumulated expenditure to 31.3.2021	Revised estimated expenditure for 2021–22	Balance
			\$'000	\$'000	\$'000	\$'000
<i>Operating Account</i>						
700		<i>General non-recurrent</i>				
	801	Providing Public Wi-Fi services in Study Rooms and Youth Service Centres	25,300	9,181	3,000	13,119
	894	Enriched IT Programme in Schools	800,000	80,603	146,349	573,048
		Total	825,300	89,784	149,349	586,167